|  | <br>Claims |   |
|--|------------|---|
|  |            | - |

| Application/Contr | Όl | No. |
|-------------------|----|-----|
|-------------------|----|-----|

Rodney G. McDonald

10/620,007

Examiner

Applicant(s)/Patent under Reexamination

LOCKE ET AL.

Art Unit

1753

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | •                              |

Restricted

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|  |  |          | <u></u>  |  |  |  | J  |  | Щ  | ــــــــــــــــــــــــــــــــــــــ |
|--|--|----------|----------|--|--|--|--|--|--|--|
| Claim  |  | 1        |          |  |  | <u> </u>   |  |  |  |  |
| Cla  | ım   | -        | _        | 1                                      | _  | Dat  | <u>e</u>   | т—   | _  | _                                      |
| Final  | Original   | 93       | -        |  |  |  | į  |  |  |  |
|  | 4  | 1        |          | 1-                                     | ┼  | ┼  | ╁  | +-   | ╀  | $\vdash$                               |
|  | -  | -        | ├        | ╁                                      | ⊬  | ╀  | +  | ╀  |  | $\vdash$                               |
| ļ  | 2  | 1        | <u> </u> | ↓                                      | $\vdash$   | ╀  | $\vdash$   | ╄  | ļ.,  |  |
| <u></u>  | 3  | Щ        | <u> </u> | ــــــــــــــــــــــــــــــــــــــ | ╙  | ╙  | <u> </u>   | ↓_   | <del> </del>                                     | $\square$                              |
|  | 4  | 1        |          | 丄                                      | _  | 丄  | _  | _  | 1_   | ш                                      |
|  | 5  | 1        | L        | $oxed{oxed}$                           | <u>L</u>   | _  |  | L  | L  |  |
|  | 1<br>2<br>3<br>4<br>5<br>6<br>7                    | Ц        | <u>_</u> | <u> </u>                               | <u> </u>   | <u> </u>   | <u> </u>   |  | L  | $\sqcup$                               |
|  |  | Ш        |          |  |  |  |  | _  |  |  |
|  | 8  | $\perp$  |          | _                                      |  |  |  |  | L  | Ш                                      |
|  | 8<br>9<br>10                                       |          |          |  |  |  |  |  |  |  |
|  | 10   |          |          | L                                      |  | 1  | L  |  |  |  |
|  | 11   |          |          |  |  |  | _  |  |  |  |
|  | 12   | լ⊺       |          |  | $\Gamma$   |  |  | $\Gamma$   |  |  |
|  | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19 | П        |          |  | Γ  | Γ  |  |  |  |  |
|  | 14   |          |          | Г                                      |  |  | Π  |  |  | П                                      |
|  | 15   | П        | Γ.       | T                                      | T  | Τ  | 1  | П  |  |  |
|  | 16   | П        | Ι.       | Т                                      | Τ  | Т  |  |  |  |  |
|  | 17   | П        |          |  | 1  |  |  |  | -  |  |
|  | 18   |          |          | T                                      |  |  |  | T  | <b>†</b>   | $\vdash$                               |
|  | 19   | T        |          | T                                      | T  | T  | 忊  | 一  | T  |  |
|  | 20   | Ħ        |          | <b> </b>                               |  | 1  | ✝  | <b> </b>   | $\vdash$   | $\vdash$                               |
|  | 21   |          |          |  | T  | <b>!</b>   | ✝  | 十  | $\vdash$   | H                                      |
|  | 22   |          |          | 1                                      | t  | ┰  | T  | _  | <u> </u>   | $\vdash$                               |
|  | 22<br>23   |          |          | H                                      | T  |  | t  | $\vdash$   |  | $\vdash$                               |
|  | 24   | Ť        |          | H                                      |  | $\vdash$   | H  | $\vdash$   | <u> </u>   | Н                                      |
|  | 25   |          | $\vdash$ | H                                      |  | <del>                                     </del> | $\vdash$   | <del>                                     </del> | <del>                                     </del> | $\vdash$                               |
| <u> </u>   | 25<br>26   | _        | _        | $\vdash$                               | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -  | $\vdash$                               |
|  | 27<br>28<br>29                                     | $\vdash$ |          |  | $\vdash$   | H  |  |  | ├─   | $\vdash$                               |
|  | 28   |          |          |  | $\vdash$   | $\vdash$   |  |  | ├  | ╁─┤                                    |
|  | 29   |          | _        | $\vdash$                               | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |  | Н                                      |
| H  | 30   |          | $\vdash$ |  | <del>                                     </del> | H  | H  |  |  | H                                      |
| $\vdash$   | 30<br>31   |          | _        | ┢                                      |  | -  | -  | ┢─   |  | Н                                      |
| $\vdash$   | 32   |          | _        | ┢                                      | $\vdash$   |  | ┢  | $\vdash$   | $\vdash$   |  |
| <del>                                     </del> | 33   | $\vdash$ | -        |  |  | 1-   | $\vdash$   | 1  |  | H                                      |
|  | 34   | $\vdash$ |          |  | 1  | _  | ╁  | <del>                                     </del> | $\vdash$   | H                                      |
| $\vdash$   | 35   | $\vdash$ |          | $\vdash$                               | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$                               |
|  | 36   | Н        |          | <u> </u>                               | $\vdash$   | $\vdash$   | <del>                                     </del> | T  | <del>                                     </del> | H                                      |
|  | 36<br>37   | $\vdash$ |          | $\vdash$                               |  | $\vdash$   | $\vdash$   |  | <del>                                     </del> | $\vdash$                               |
|  | 38   |          |          | _                                      |  |  |  |  | $\vdash$   | Н                                      |
|  | 39   |          |          |  |  | $\vdash$   |  | $\vdash$   |  | Н                                      |
|  | 40   | $\vdash$ |          |  |  |  | <del>                                     </del> | <del>                                     </del> | $\vdash$   | Н                                      |
| <del></del>                                      | 41   |          |          |  |  | Ι  | Ι  | $\vdash$   |  | Н                                      |
|  | 42   | $\neg$   |          |  | $\vdash$   | $\vdash$   | 一  |  | <del>                                     </del> | $\vdash$                               |
|  | 43   |          |          |  |  |  | П  |  | Г  | Н                                      |
|  | 44   | $\neg$   |          |  |  |  | <del>                                     </del> | <del>                                     </del> | $\vdash$   | Н                                      |
|  | 45   |          | $\neg$   | $\vdash$                               | Г  | П  |  |  |  | П                                      |
|  | 46   | $\dashv$ | ヿ        |  |  |  |  |  |  | $\vdash$                               |
| $\neg$   | 47   | _        |          |  | П  |  | Г  |  |  | Н                                      |
|  | 48   | $\neg$   | $\neg$   |  |  |  | $\vdash$   |  | $\vdash$   | Н                                      |
|  | 49   |          |          |  |  |  | $\vdash$   |  | П  | $\sqcap$                               |
| $\dashv$   | 50   |          | _        | -                                      |  |  |  | <del>                                     </del> | Н  | $\dashv$                               |

| CI            | aim                        | Г  |  |          |  | Dat                                    | <u></u>    |              |              |               |
|---------------|----------------------------|--|--|----------|--|--|------------|--------------|--------------|---------------|
| <del>  </del> | 1                          | H  | Т  | Т        | Т  | T                                      | Ť          | 1            | Т            | Т             |
| Final         | Original                   |  |  |          |  |  |            |              |              |               |
|               | 51                         |  |  | 1        | Τ  | 1                                      | Т          | 1            | $\top$       | Т             |
|               | 52                         |  |  |          |  |  |            |              |              |               |
|               | 51<br>52<br>53             | 1  |  |          |  | F                                      |            |              | Т            | $\top$        |
|               | 54                         | Т  |  |          | П  |  |            |              |              |               |
|               | 54<br>55                   |  |  |          |  |  |            |              |              | Т             |
|               | 56                         |  |  |          |  |  |            |              |              |               |
|               | 57                         |  |  |          |  |  | _          | _            |              |               |
|               | 58                         | <u> </u>                                     | <u> </u>   | <u> </u> | 丄  | _                                      | L          | <u></u>      | _            | <u> </u>      |
| <u></u>       | 59                         | L  | _  | _        | _  | _                                      | ┖          | _            | _            | _             |
|               | 60                         | ـــ  | ļ  | ↓_       | <del> </del> _                                   | ــــــــــــــــــــــــــــــــــــــ | <u> </u>   | <u> </u>     | <u> </u>     | <u> </u>      |
|               | 61                         | <u>                                     </u> | ╙  | $\vdash$ | ┡  | L                                      | ┞          | ↓_           | <u> </u>     | <u> </u>      |
| -             | 62<br>63                   | $\vdash$                                     | <u> </u>   | ₩.       | ــ   | ـــ                                    | <u> </u> _ | ↓_           | <u> </u>     | ↓_            |
| -             | 63                         | -  | ┼  | ₩        |  | ├_                                     | <u> </u>   | ├-           | ــــ         | 1-            |
| -             | 64                         | ١.   | <u> -</u>  | ╄-       | ┼  | ┼                                      | <u> </u>   | -            | -            | 1             |
|               | 65<br>66                   | ╁  | ┼  | -        | -  | +-                                     | -          | -            | -            | ├-            |
|               | 67                         | $\vdash$                                     | ⊢  | ⊢        | ╁┈   | ┼                                      | ⊢          | ┼—           | ⊢            | ⊢             |
|               | 68                         | ╁╾   | <del> </del> −                                   | ╁        | ┼  | ┼                                      | ├          | -            | ⊢            | ⊢             |
| -             | 69                         | -  | H  | ╁        | ╁┈   | -                                      | ┢          | 1            | $\vdash$     | ⊢             |
| -             | 70                         | +-   | -  | ╁        | $\vdash$   | $\vdash$                               | H          |              | ┢            | ╁╾            |
|               | 71                         | <del>  -</del>                               | ╁╌   | $\vdash$ | ╁  | $\vdash$                               |            |              | $\vdash$     | ╁             |
| $\vdash$      | 72                         | -  | 1-   | 1        | ╁  | $\vdash$                               | $\vdash$   | $\vdash$     | -            | 1-            |
| <b> </b>      | 71<br>72<br>73<br>74<br>75 |  | $\vdash$   | $\vdash$ | $\vdash$   | 1-                                     |            | 1            |              | t             |
|               | 74                         |  | $\vdash$   | t        | <del>                                     </del> | $\vdash$                               |            | $\vdash$     | $\vdash$     | T             |
|               | 75                         |  | T  | T        | T  | Τ                                      | $\vdash$   | T            | T            | ⇈             |
|               | 76<br>77                   |  |  |          |  | 1                                      |            | T            | T            | Г             |
|               | 77                         |  |  | Π        |  |  |            |              |              | Г             |
|               | 78                         |  |  |          |  |  |            |              |              |               |
|               | 79                         |  |  |          |  |  |            |              |              |               |
|               | 80                         | _  | _  |          |  |  |            | L            | L            |               |
|               | 81                         |  |  | _        | L  | <u> </u>                               |            |              |              | <u>L</u>      |
|               | 82<br>83                   | _  | <u> </u>   |          | ┖  | _                                      |            |              |              |               |
|               | 83                         |  | <u> </u>   | $\perp$  |  | <u> </u>                               | _          | _            | _            | _             |
|               | 84                         | _  |  | _        | <u> </u>   | L                                      | _          | _            | <u> </u>     | _             |
|               | 85                         | <u> </u>                                     | <u> </u>   |          | _  | <u> </u>                               | <u> </u>   | $\vdash$     | <u> </u>     | <u> </u>      |
|               | 86                         | ·  | <u> </u>   | ╀        | <u> </u>   | <u> </u>                               | <u> </u>   |              |              | <u> </u>      |
| -             | 87<br>88                   |  | -  | ┢        | ├  | H                                      | $\vdash$   | ⊢            | $\vdash$     | <del> </del>  |
| -             | 89                         | -  | -  | ╁        | -  | -                                      | -          | <del> </del> | ┝            | ⊢             |
|               | 90                         | <del> </del>                                 | ┝  | ┢        | -  | <del> </del>                           | -          | -            | ⊢            | ⊢             |
| -             | 91                         | ┢  | <del> </del>                                     | -        | $\vdash$   | $\vdash$                               | -          | $\vdash$     | <del> </del> | $\vdash$      |
| -             | 92                         | -  | <del>                                     </del> | -        | -  | $\vdash$                               |            | $\vdash$     | -            | _             |
| <b>-</b>      | 93                         | $\vdash$                                     | -  | $\vdash$ | _  | $\vdash$                               | _          | -            | -            | <u> </u>      |
|               | 94                         | $\vdash$                                     | <del>                                     </del> | $\vdash$ | $\vdash$   | _                                      | _          | $\vdash$     | $\vdash$     | <u> </u>      |
|               | 95                         | $\vdash$                                     |  | $\vdash$ | <del> </del>                                     | $\vdash$                               | _          | $\vdash$     |              | $\vdash$      |
|               | 96                         |  | -  | 1        | H  | -                                      | _          |              | П            |               |
|               | 97                         | Г  |  |          | $\vdash$   |  |            |              | П            | П             |
|               | 98                         |  |  |          | Г  |  |            | $\vdash$     | Г            | $\overline{}$ |
|               | 99                         |  |  |          |  |  |            |              |              |               |
|               | 100                        |  |  | Γ        |  |  |            |              |              |               |

| Cla      | im                              | Date     |              |          |          |              |          |              |  |                 |
|----------|---------------------------------|----------|--------------|----------|----------|--------------|----------|--------------|--|-----------------|
|          |                                 |          |              |          | Г        | П            | Г        | Т            | Τ  | Π               |
| ज        | Original                        |          |              |          |          | l            |          |              |  |                 |
| Final    | ğ                               |          |              |          |          |              |          | 1            |  |                 |
| -        | Ō                               |          |              |          |          |              |          | ı            | 1  |                 |
| $\vdash$ | 101                             | ⊢        | ╁            | -        | ╁        | ┝            | -        | ┢            | ├  | <del>  -</del>  |
| ⊢        | 101<br>102                      | $\vdash$ | ┢            | +-       |          | ₩            | ┢        | ╁            | ╁  |                 |
| $\vdash$ | 102                             | <u> </u> | -            | ┢        | ⊢        | +            | ⊢        | ┝            | -  |                 |
| $\vdash$ | 103<br>104<br>105               | <b></b>  | -            | ├        | ⊢        | ⊢            | ┢        | ├-           | -  | ├               |
| -        | 104                             | _        |              | $\vdash$ | ⊢        | <u> </u>     | <u> </u> | <u> </u>     | ┢  | <u> </u>        |
|          | 105                             |          | <u> </u>     | <u> </u> |          | _            | _        | ┞            | ┞  | _               |
|          | 106<br>107                      |          |              | <u> </u> | <u> </u> | _            | _        | ┡            | _  | L               |
|          | 107                             | <u> </u> | _            |          | _        | <u> </u>     | _        | <u> </u>     | <u> </u>   |                 |
|          | 108                             |          | _            | <u> </u> | ㄴ        | _            |          | $oxed{oxed}$ |  |                 |
|          | 109<br>110                      |          | L.           | _        |          |              |          |              |  |                 |
|          | 110                             |          |              |          | L        | L            | L        | L            | L  |                 |
|          | 111                             |          |              |          |          |              |          |              |  |                 |
|          | 112                             |          |              |          |          |              |          |              | Π  |                 |
|          | 113                             |          |              |          |          |              |          |              |  |                 |
|          | 112<br>113<br>114<br>115        |          |              |          |          | П            |          |              |  |                 |
|          | 115                             |          |              |          | Г        | Π            | Г        | Π            | Π  |                 |
| $\vdash$ | 116                             |          |              | $\vdash$ | Г        |              | П        |              | <del>                                     </del> |                 |
|          | 117                             |          | $\vdash$     | ┢        | $\vdash$ | 1-           | _        | $\vdash$     |  | _               |
|          | 118                             |          | $\vdash$     |          | $\vdash$ | ┢            | $\vdash$ | $\vdash$     | $\vdash$   | -               |
|          | 119                             |          | $\vdash$     | -        | -        | ┼            | -        | ŀ            | ┝  | -               |
|          | 120                             | -        | <del> </del> | ┢        | ┝        | ╁            | -        | ├            |  | $\vdash$        |
| -        | 120<br>121<br>122               | -        | -            | H        | -        | ┢            | -        | ├-           | $\vdash$   | Н               |
| -        | 121                             |          |              |          | -        | ⊢            | -        | ├            | ├  | Н               |
|          | 122                             |          |              |          |          | <del> </del> | ⊢        | H            | ├-   | -               |
|          | 123<br>124<br>125               |          | -            | ⊢        |          | ⊢            |          | ⊢            | <u> </u>   |                 |
| -        | 124                             |          | _            | <u> </u> |          | <u> </u>     | ļ.,      | <u> </u>     | _  | Ш               |
|          | 125                             |          | ļ            | <u> </u> |          | _            |          | L.           |  | _               |
|          | 126                             |          | <b> </b>     | _        | _        |              | _        | _            | _  | Ш               |
| -        | 126<br>127<br>128<br>129<br>130 |          |              |          | _        | <u> </u>     | Ľ        | _            | _  | Ш               |
|          | 128                             |          | L.           |          | <u> </u> | _            | _        | _            | _  | Ш               |
|          | 129                             |          |              |          |          | <u></u>      | <u> </u> | L            | _  |                 |
|          | 130                             |          |              |          | L.       |              |          | L            |  |                 |
|          | 131<br>132                      |          |              |          |          |              |          | L            |  |                 |
|          | 132                             |          |              |          |          |              |          |              |  |                 |
| - 1      | 133                             |          |              |          |          |              |          |              |  |                 |
|          | 134<br>135                      |          |              |          |          |              |          |              |  |                 |
|          | 135                             |          |              |          |          |              |          |              |  |                 |
|          | 136                             |          |              |          |          |              |          |              |  |                 |
|          | 137<br>138                      |          |              |          |          |              |          |              |  | П               |
|          | 138                             |          |              |          |          |              |          |              |  |                 |
|          | 139                             |          |              |          |          |              |          | Г            | $\vdash$   | $\vdash$        |
|          | 140                             | $\neg$   |              | Н        |          |              | _        | _            | $\vdash$   | $\vdash$        |
|          | 141                             | $\neg$   |              | Н        |          | $\vdash$     |          | Т            |  | $\vdash$        |
| $\dashv$ | 142                             | -        |              | Н        | -        |              |          | H            | $\vdash$   | $\vdash$        |
|          | 143                             | $\dashv$ |              | Н        | -        | $\vdash$     |          |              | $\vdash$   | ${\mathbb H}$   |
|          | 144                             | $\dashv$ |              | $\vdash$ |          | Н            | $\vdash$ | $\vdash$     | $\vdash$   | Н               |
|          | 145                             | -        |              | $\vdash$ |          | $\vdash$     |          | -            |  | $\vdash$        |
|          |                                 |          |              |          |          | $\vdash$     |          |              |  | $\vdash \vdash$ |
|          | 146                             | $\dashv$ | _            | $\dashv$ |          | =            |          | <u>ا</u>     |  |                 |
|          | 147                             | _        | _            | $\Box$   |          |              |          | Щ            | Щ  | Щ               |
|          | 148                             |          |              |          |          |              |          | Ш            |  | $\square$       |
| I I      | 149<br>150                      |          |              |          |          |              |          |              |  |                 |
|          |                                 |          |              | 1        |          | - 1          |          |              |  |                 |